

COMBINED DECLARATION AND POWER OF ATTORNEY



As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled COMPOSITIONS FOR INHALATION, the specification of which

☐ is attached hereto.

☒ was filed on June 23, 1994 as Application Serial No. 08/265,237
and was amended on _____.

☐ was described and claimed in PCT International Application No. _____
filed on _____ and as amended under PCT Article 19 on _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

| COUNTRY | APPLICATION NO. | FILING DATE | PRIORITY CLAIMED |
|---------------|------------------|-------------------------|---|
| <u>Sweden</u> | <u>9400371-2</u> | <u>February 4, 1994</u> | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <u>Sweden</u> | <u>9302198-8</u> | <u>June 24, 1993</u> | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: William E. Booth, Reg. No. 28,933; Barry E. Bretschneider, Reg. No. 28,055; Paul T. Clark, Reg. No. 30,162; Willis M. Ertman, Reg. No. 18,658; David L. Feigenbaum, Reg. No. 30,378; Janis K. Fraser, Reg. No., 34,819; John W. Freeman, Reg. No. 29,066; Timothy A. French, Reg. No. 30,175; Alan H. Gordon, Reg. No. 26,168; Mark J. Hebert, Reg. No., 31,766; Gilbert H. Hennessey, Reg. No. 25,759; Charles Hieken, Reg. No. 18,411; Robert E. Hillman, Reg. No. 22,837; G. Roger Lee, Reg. No. 28,963; Steven E. Lipman, Reg. No. 30,011; Gregory A. Madera, Reg. No. 28,878; Ralph A. Mittelberger, Reg. No. 33,195; Ronald E. Myrick, Reg. No. 26,315; Robert C. Nabinger, Reg. No. 33,431; Frank P. Porcelli, Reg. No. 27,374; Eric L. Prah, Reg. No. 32,590; Barbara Rae-Venter, Reg. No. 32,750; Alan D. Rosenthal, Reg. No. 27,833; John M. Skenyon, Reg. No. 27,468; Michael O. Sutton, Reg. No. 26,675; Rene D. Tegtmeyer, Reg. No. 33,567; Hans R. Troesch, Reg. No. 36,950; John N. Williams, Reg. No. 18,948; Gary A. Walpert, Reg. No. 26,098; Dorothy P. Whelan, Reg. No., 33,814; and Charles C. Winchester, Reg. No. 21,040.

Address all telephone calls to Janis K. Fraser, Esq. at telephone number 617/542-5070.

Address all correspondence to Janis K. Fraser, Esq., Fish & Richardson, 225 Franklin Street, Boston, MA 02110-2804.

COMBINED DECLARATION AND POWER OF ATTORNEY CONTINUED

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

1-00
Full Name of Inventor: Kjell Göran Erik Bäckström

Inventor's Signature: Kjell Göran Erik Bäckström Date: August 16, 1994

Residence Address: Notariegränden 4 S-226 47 Lund, Sweden SE

Citizen of: Sweden

Post Office Address: Notariegränden 4 S-226 47 Lund, Sweden

2-00
Full Name of Inventor: Carl Magnus Olof Dahlbäck

Inventor's Signature: Carl Magnus Olof Dahlbäck Date: August 18, 1994

Residence Address: Sköldgränden 10 S-224 75 Lund, Sweden SE X

Citizen of: Sweden

Post Office Address: Sköldgränden 10 S-224 75 Lund, Sweden

3-00
Full Name of Inventor: Peter Edman

Inventor's Signature: Peter Edman Date: August 25, 1994

Residence Address: Kamrersvägen 18 S-237 34 Bjärred, Sweden SE X

Citizen of: Sweden

Post Office Address: Kamrersvägen 18 S-237 34 Bjärred, Sweden

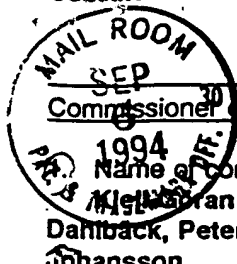
4-00
Full Name of Inventor: Ann Charlotte Birgit Johansson

Inventor's Signature: Ann Charlotte Birgit Johansson Date: August 23, 1994

Residence Address: Arkeologvägen 65 S-226 54 Lund, Sweden SE

Citizen of: Sweden

Post Office Address: Arkeologvägen 65 S-226 54 Lund, Sweden



ORDINATION FORM COVER PATENTS ONLY

40 581

Commissioner of Patents and Trademarks: Please record the attached original document.

1994
Name of conveying party(ies):
Kjell-Erik Bäckström, Carl Magnus Olof
Dahlback, Peter Edman, Ann Charlotte Birgit
Johansson

(2) Name and address of receiving party(ies):
AB Astra
S-151
85 Sodertälje, Sweden

Additional name(s) attached? ☐ Yes ☒ No

Additional names/addresses attached? ☐ Yes ☒ No

(3) Nature of conveyance:

- 19
- ☒ Assignment
 - ☐ Merger
 - ☐ Security Agreement
 - ☐ Change of Name
 - ☐ Other:

Execution Date: August 16, 1994, August 18,
1994, August 25, 1994, August 23, 1994

(4) Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No.(s):

08/265,237

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

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(5) Name/address of party to whom correspondence concerning document should be mailed:

Janis K. Fraser
Fish & Richardson
225 Franklin Street
Boston, MA 02110-2804

(6) Total number of applications/patents involved: 1

(7) Total fee (37 CFR 3.41): \$40

- ☒ Enclosed
- ☐ Authorized to charge deposit account

8. Deposit account number: 06-1050

If the fee above is being charged to deposit account, a duplicate copy of this cover sheet is attached. Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.

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(9) Statement and signature: To the best of my knowledge and belief, the foregoing information is true and correct and the attached is the original document.

Janis K. Fraser, Esq.

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 3-10

Date of Deposit

September 1, 1994
I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

040 AH 09/13/94 08265237

1 Cheryl Ann Brawley
Cheryl Ann Brawley

REEL 1172 FRAMES 12

ASSIGNMENT

For valuable consideration, we, Kjell Göran Erik Bäckström, of Lund, Sweden; Carl Magnus Olof Dahlbäck of Lund, Sweden; Peter Edman of Bjärred, Sweden; and Ann Charlotte Birgit Johansson of Lund, Sweden; hereby assign to AB Astra, a Sweden corporation having a place of business at Södertälje, Sweden, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent Serial No. 08/265,237, filed June 23, 1994, entitled COMPOSITIONS FOR INHALATION

this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Lund
this 16th day of August, 1994

Kjell Göran Erik Bäckström

Inventor's Name: KJELL GÖRAN ERIK BÄCKSTRÖM

L.S.

Witnessed by : Eva Fredenfeldt

Name : Eva Fredenfeldt

Date: August 16, 1994

Witnessed by : Elisabet Lindqvist

Name : Elisabet Lindqvist

Date: August 16, 1994

IN WITNESS WHEREOF, I hereto set my hand and seal at
this 18th day of August, 1994

Carl Magnus Olof Dahlbäck
Inventor's Name: CARL MAGNUS OLOF DAHLBÄCK L.S.

Witnessed by: Margit Prytz
Name: Margit Prytz Date: 74.08.18

Witnessed by: Ole Norbrink
Name: Ole Norbrink Date: 940818

* * *

IN WITNESS WHEREOF, I hereto set my hand and seal at Malmö
this 25th day of August, 1994

Peter Edman
Inventor's Name: PETER EDMAN L.S.

Witnessed by: Margareta Knös
Name: Margareta Knös Date: 940825

Witnessed by: Birgitta Andersson
Name: BIRGITTA ANDERSSON Date: 94-08-25

* * *

IN WITNESS WHEREOF, I hereto set my hand and seal at Lund
this 23rd day of August, 1994

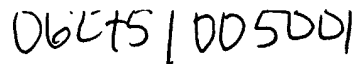
Ann Charlotte Birgit Johansson
Inventor's Name: ANN CHARLOTTE BIRGIT JOHANSSON L.S.

Witnessed by: Henri Hansson
Name: Henri Hansson Date: 940823

Witnessed by: Helena Lindén
Name: Helena Lindén Date: 940823

SEP -6 94

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Patent and Trademark Office
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Washington, D.C. 20231

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BOSTON, MA

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ASSIGNOR:
BACKSTROM, KJELL GORAN ERIK

DOC DATE: 08/16/94

ASSIGNOR:
DAHLBACK, CARL MAGNUS OLOF

DOC DATE: 08/18/94

ASSIGNOR:
EDMAN, PETER

DOC DATE: 08/25/94

ASSIGNOR:
JOHANSSON, CHARLOTTE BIRGIT

DOC DATE: 08/23/94

RECORDATION DATE: 09/06/94 NUMBER OF PAGES 003 REEL/FRAME 7171/0415

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:
AB ASTRA
S-151
85 SODERTALJE, SWEDEN

| | | | |
|---------------|----------|-------------|----------|
| SERIAL NUMBER | 8-265371 | FILING DATE | 06/23/94 |
| PATENT NUMBER | | ISSUE DATE | 00/00/00 |

* No Docketing Required *

Reviewed By Practice Systems
Initials: *YBS*

Reviewed By Billing Secretary
Initials: *calb*

EXAMINER/PARALEGAL
ASSIGNMENT BRANCH
ASSIGNMENT/CERTIFICATION SERVICES DIVISION

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40 381 A10



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1. Name of conveying party(ies):

Kjell Göran Erik Bäckström, Carl Magnus Olof
Banlbäck, Peter Edman, Ann Charlotte Birgit
Johansson

2. Name and address of receiving party(ies):

AB Astra
S-151
85 Sodertälje, Sweden

Additional name(s) attached? ☐ Yes ☒ NoAdditional names/addresses attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment
☐ Merger
☐ Security Agreement
☐ Change of Name
☐ Other:

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APPLICATION DIVISION

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REEL 7171 FRAME 415

Execution Date: August 16, 1994, August 18,
1994, August 25, 1994, August 23, 1994

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No.(s):

08/265,371

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name/address of party to whom correspondence concerning document should be mailed:

Janis K. Fraser
Fish & Richardson
225 Franklin Street
Boston, MA 02110-2804

6. Total number of applications/patents involved: 1

7. Total fee (37 CFR 3.41): \$40

- ☒ Enclosed
☐ Authorized to charge deposit account

8. Deposit account number: 06-1050

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9. Statement and signature: To the best of my knowledge and belief, the foregoing information is true and correct and the attached is the original document.

Janis K. Fraser, Esq.

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 3

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September 1, 1994
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first class mail with sufficient postage on the date indicated
above and is addressed to the Commissioner of Patents and
Trademarks, Washington, D.C. 20231.

080 WL 09/13/94 08265371

Cheryl Ann Brawley
Cheryl Ann Brawley

ASSIGNMENT

For valuable consideration, we, Kjell Göran Erik Bäckström, of Lund, Sweden; Carl Magnus Olof Dahlbäck of Lund, Sweden; Peter Edman of Bjärred, Sweden; and Ann Charlotte Birgit Johansson of Lund, Sweden; hereby assign to AB Astra, a Sweden corporation having a place of business at Södertälje, Sweden, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent Serial No. 08/265,371, filed June 23, 1994, entitled SYSTEMIC ADMINISTRATION OF A THERAPEUTIC PREPARATION

this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Lund,
this 16th day of August, 1994

Kjell Göran Erik Bäckström L.S.
Inventor's Name: KJELL GÖRAN ERIK BÄCKSTRÖM

Witnessed by : Eva Brändfeldt
Name : Eva Brändfeldt Date: August 16, 1994

Witnessed by : Elisabet Lindqvist
Name : Elisabet Lindqvist Date: August 16, 1994

REEL 7171 FRAME 16

IN WITNESS WHEREOF, I hereto set my hand and seal at Lund
this 18th day of August, 1994

Carl Magnus Olof Dahlbäck L.S.
Inventor's Name: CARL MAGNUS OLOF DAHLBÄCK

Witnessed by: Margit Prytz
Name: Margit Prytz Date: 94.08.18

Witnessed by: Olle Werbrink
Name: Olle Werbrink Date: 94.08.18

* * *

IN WITNESS WHEREOF, I hereto set my hand and seal at Mölnadal
this 25th day of August, 1994

Peter Edman L.S.
Inventor's Name: PETER EDMAN

Witnessed by: INGA-LILJA KVOIS
Name: INGA-LILJA KVOIS Date: 940825

Witnessed by: Birgitta Andersson
Name: BIRGITTA ANDERSSON Date: 94-08-25

* * *

IN WITNESS WHEREOF, I hereto set my hand and seal at Lund SEP-6 94
this 23rd day of August, 1994

Ann Charlotte Birgit Johansson L.S.
Inventor's Name: ANN CHARLOTTE BIRGIT JOHANSSON

Witnessed by: Henri Hansson
Name: Henri Hansson Date: 940823

Witnessed by: Helena Lindén
Name: Helena Lindén Date: 940823

REEL 7171 FRAME 17

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FISH & RICHARDSON
JANIS K. FRASER
225 FRANKLIN STREET
BOSOTN, MA 02110-2804

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ASSIGNOR:
BACKSTROM, KJELL GORAN ERIK

DOC DATE: 08/16/94

ASSIGNOR:
DAHLBACK, CARL MAGNUS OLOF

DOC DATE: 08/18/94

ASSIGNOR:
EDMAN, PETER

DOC DATE: 08/25/94

ASSIGNOR:
JOHANSSON, ANN CHARLOTTE

DOC DATE: 08/23/94

RECORDATION DATE: 09/06/94 NUMBER OF PAGES 003 REEL/FRAME 7231/0628

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:
AB ASTRA
S-151
85 SODERTALJE, SWEDEN

| | | | |
|---------------|----------|-------------|----------|
| SERIAL NUMBER | 8-265372 | FILING DATE | 06/23/94 |
| PATENT NUMBER | | ISSUE DATE | 00/00/00 |

EXAMINER/PARALEGAL
ASSIGNMENT BRANCH
ASSIGNMENT/CERTIFICATION SERVICES DIVISION

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Initials: *Ubb*

Reviewed By Billing Secretary

Initials: *cab*

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Kjell Goran Erik Bäckström, Carl Magnus Olof
Dahlbäck, Peter Edman, Ann Charlotte Birgit
Johansson

2. Name and address of receiving party(ies):
AB Astra
S-151
85 Sodertalje, Sweden

Additional name(s) attached? ☐ Yes ☒ NoAdditional names/addresses attached? ☐ Yes ☒ No

3. Nature of conveyance:
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☐ Merger
☐ Security Agreement
☐ Change of Name
☐ Other:

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APPLICATION DIVISION

Execution Date: August 16, 1994, August 18,
1994, August 25, 1994, August 23, 1994

4. Application number(s) or patent number(s):
If this document is being filed with a new application, the execution date of the application is:
A. Patent Application No.(s): 08/265,372
B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name/address of party to whom correspondence
concerning document should be mailed:

Janis K. Fraser
Fish & Richardson
225 Franklin Street
Boston, MA 02110-2804

6. Total number of applications/patents involved: 1

7. Total fee (37 CFR 3.41): \$40

☒ Enclosed
☐ Authorized to charge deposit account

8. Deposit account number: 06-1050

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account, a duplicate copy of this cover sheet is
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9. Statement and signature: To the best of my knowledge and belief, the foregoing information is true and correct
and the attached is the original document.

Janis K. Fraser, Esq.

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 3

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Date of Deposit: September 1, 1994

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first class mail with sufficient postage on the date indicated
above and is addressed to the Commissioner of Patents and
Trademarks, Washington, D.C. 20231.

040 AH 09/13/94 08265372

1

Cheryl Ann Brawley
Cheryl Ann Brawley

REEL 1231 FRAME 28

ASSIGNMENT

For valuable consideration, we, Kjell Göran Erik Bäckström, of Lund, Sweden; Carl Magnus Olof Dahlbäck of Lund, Sweden; Peter Edman of Bjärred, Sweden; and Ann Charlotte Birgit Johansson of Lund, Sweden; hereby assign to AB Astra, a Sweden corporation having a place of business at Södertälje, Sweden, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent Serial No. 08/265,372, filed June 23, 1994, entitled THERAPEUTIC PREPARATION FOR INHALATION

this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Lund,
this 16th day of August, 1994

Kjell Göran Erik Bäckström L.S.
Inventor's Name: KJELL GÖRAN ERIK BÄCKSTRÖM

Witnessed by : Eva Bredenfält
Name : Eva Bredenfält Date: August 16, 1994

Witnessed by : Elisabet Lindquist
Name : Elisabet Lindquist Date: August 16, 1994

REEL 1231 FRAME 629

IN WITNESS WHEREOF, I hereto set my hand and seal at Lund
this 18th day of August, 1994

Carl Magnus Olof Dahlbäck L.S.
Inventor's Name: CARL MAGNUS OLOF DAHLBÄCK

Witnessed by : Margit Prytz
Name : Margit Prytz Date: 94.08.18

Witnessed by : Ola Herbrink
Name : Ola Herbrink Date: 940818

* * *

IN WITNESS WHEREOF, I hereto set my hand and seal at Nölnadal
this 25th day of August, 1994

Peter Edman L.S.
Inventor's Name: PETER EDMAN

Witnessed by : Yngve Lillkvist
Name : YNGVE LILLKVIST Date: 940825

Witnessed by : Birgitta Andersson
Name : BIRGITTA ANDERSSON Date: 940825

* * *

IN WITNESS WHEREOF, I hereto set my hand and seal at Lund
this 23rd day of August, 1994

Ann Charlotte Birgit Johansson L.S.
Inventor's Name: ANN CHARLOTTE BIRGIT JOHANSSON

Witnessed by : Henri Hansson
Name : Henri Hansson Date: 940823

Witnessed by : Helena Lindén
Name : Helena Lindén Date: 940823

SEP -6 94

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OFFICE

REF 1231 FRAME 630



06275/004007
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DATE: 11/14/94
TO:

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FISH & RICHARDSON
JANIS K. FRASER
225 FRANKLIN STREET
BOSTON, MA 02110-2804

UNITED STATES PATENT AND TRADEMARK OFFICE
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ASSIGNOR:
BACKSTROM, KJELL GORAN ERIK

DOC DATE: 08/16/94

ASSIGNOR:
DAHLBACK, CARL MAGNUS OLOF

DOC DATE: 08/18/94

ASSIGNOR:
EDMAN, PETER

DOC DATE: 08/25/94

ASSIGNOR:
JOHANSSON, ANN CHARLOTTE BIRGIT

DOC DATE: 08/23/94

RECORDATION DATE: 09/06/94 NUMBER OF PAGES 003 REEL/FRAME 7172/0512

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:
AB ASTRA
S-151, 85 SODERTALJE, SWEDEN

SERIAL NUMBER 8-265237
PATENT NUMBER

FILING DATE 06/23/94
ISSUE DATE 00/00/00

Nicole Scott
EXAMINER/PARALEGAL
ASSIGNMENT BRANCH
ASSIGNMENT/CERTIFICATION SERVICES DIVISION

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|---------------------------|-------------------|
| * No Docketing Required * | |
| Reviewed By | Practice Systems |
| Initials: | <i>JS</i> |
| Reviewed By | Billing Secretary |
| Initials: | |